

GEOGRAPHY, CARTOGRAPHY & GIS

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DEFINITIONS

GEOGRAPHY is the science of observing, measuring, describing and analyzing the spatial variations in physical, biological, and human phenomena that occur on the surface of the globe and treats their interrelationships and their significant regional patterns.

CARTOGRAPHY is the art and science of graphically representing a terrestrial, marine or astronomical area, usually on a flat map. Maps are produced systematically, from quantitative data, with attention to scale, and employ a systematic visual language so that they may be evaluated in terms of accuracy, unlike other kinds of graphic representations. They may include demographic, economic, political or other cultural data.

GIS (Geographic Information Systems) is the general name for the use of computers for data capture, encoding, storage, analysis, retrieval, synthesis, and dissemination of geographic data. One important application, GEODEMOGRAPHICS, segments and organizes demographic data by geography.

KEYWORDS

Analytic mapping, Areal analysis, Bathymetry, Bearing, Building maps, Cadastral maps, Cartographs, Cartograms, Cartography, Charts, Contour mapping, Data models, Dead reckoning, Detail surveying, Environmental aesthetics, Environmental modeling, Equal area projections, Equator, Field observation, Geocomputation, Geodemographics, Geodesy, Geographic Information Retrieval (GIR), Geographic Information Systems (GIS), Geographic Name Servers, Global positioning systems, Globes, Gyrocompasses Hydrography, Land information, Land lines, Landforms, Latitude, Longitude, Maps, Marine chronometer, Mercator projection, Modeling, Monitoring, Nautical charts, Navigation systems, Orthophotographs, Orthorectified aerial photographs, Parcel maps, Photogrammetry, Phytogeography, Planometric maps, Plats, Portolanos, Position hyperbolas, Projections, Raster imagery, Scale, Spatial databases, Spatial models, Stereoscopic plotting, T-maps, Theodolites, Topographic maps, Triangulation, Zoogeography,

TOOLS TO GET STARTED

Current Geographical Publications, <http://leardo.lib.uwm.edu/index.html> (Bibliographic guide, published online 10 times each year)
 Geography World, <http://members.aol.com/bowermanb/101.html> (Excellent, huge links to data, charts)
 Geosource (Utrecht University), <http://www.library.uu.nl/geosource/> (Usefully annotated links)
 Skinner et. al., *Dictionary of Geography*, G63.D538 1999
 UC Berkeley Earth Sciences & Map Library, <http://www.lib.berkeley.edu/EART/> (Excellent)

GEOGRAPHY & CARTOGRAPHY A - Z

AERIAL PHOTOGRAPHY

Aerial Photography & Remote Sensing, <http://www.library.adelaide.edu.au/guide/soc/geog/demog.html>
 Avery, *Interpretation of Aerial Photographs and Images*, 6th ed., 1999
 Denegre, *Thematic Mapping from Satellite Imagery: a Guidebook*, 1994
 Eller, *Secrets of Successful Aerial Photography*, 2000
 Lloyd, *Aerial Photography: Professional Techniques and Commercial Applications*, 1990

CARTOGRAPHY

Anson, *Basic Cartography for Students & Technicians*, 2nd ed., 1993
 Brewer, *Visualization in Modern Cartography*, 1994
 Cartographic Communication, http://www.utexas.edu/depts/grg/gcraft/notes/cartocom/cartocom_ftoc.html (Intro survey)
 Cartographic links on Internet / Terkepezeti targyu linkek az Interneten, <http://lazarus.elte.hu/gb/linkek.htm>
 Cartography and Geographic Information Society (CaGIS), <http://www.survmap.org/memorg39/cagis06/cagis00.htm>
 Cartography Resources on the Web, <http://geog.gmu.edu/gess/jwc/cartogrefs.html>
 Curran, *Compendium of cartographic techniques*, 1988

American Society of Civil Engineers, *Glossary of the Mapping Sciences*, 1994
Keates, *Understanding Maps*, 2nd ed., 1996
Keller, *Cartographic Design: Theoretical and Practical Perspectives*, GA101.2.C355 1996
Kraak, *Cartography: Visualization of Spatial Data*, GA105.3.K7313 1996
MacEachren, *Some Truth with Maps: A Primer on Symbolization and Design*, 1994
Oddens Bookmarks, <http://oddens.geog.uu.nl/index.html> (The best list of online cartography resources)
Online Atlases, http://www.cgrrer.uiowa.edu/servers/servers_references.html#atlases
Osley, *Mercator: a Monograph on the Lettering of Maps*, 1969
Robinson, *Elements of Cartography*, 6th ed., GA105.2.E43 1995
Thrower, *Maps & Civilization: Cartography in Culture and Society*, 2nd ed, 1999

ASTRONOMICAL

Audouze & Israel, *The Cambridge Atlas of Astronomy*, 3rd ed., QB65.G6813 1994
Burnham, *Celestial Images: Astronomical Charts from 1500 to 1900*, QB65.C44 1985
The Golden Age of the Celestial Atlas, <http://www.lhl.lib.mo.us/pubserv/hos/stars/welcome2.htm>
The Hipparcos Space Astronomy Mission, <http://astro.estec.esa.nl/Hipparcos/hipparcos.html>
NASA Maps of the Solar System, <http://maps.jpl.nasa.gov/>
Sinnot & Perryman, *Millennium Star Atlas*, 1997
Star Maps, <http://csep10.phys.utk.edu/astr161/lect/time/maps.html>

GLOBES

Dekker, *Globes from the Western World*, 1991
The Great Globe Gallery, <http://hum.amu.edu.pl/~zbzw/glob/glob1.htm>
International Coronelli Society for the Study of Globes, <http://ezines.onb.ac.at:8080/coronelli/>

HISTORY OF CARTOGRAPHY

Brotton, *Trading Territories: Mapping the Early Modern World*, 1997
Buisseret, *Monarchs, Ministers and Maps: the Emergence of Cartography as a Tool of Government*, 1992
Dilke, *Greek and Roman Maps*, 1998
Harley et. al., *The History of Cartography* (multivolume series, begun 1992)
Harvey, *History of Topographical Maps*, 1980
Imago Mundi: the International Journal for the History of Cartography (Periodical published once each year)
Smith, *Chinese Maps: Images of All Under Heaven*, 1996
Thrower, *Maps & Civilization: Cartography in Culture and Society*, 1996
Whitefield, *Image of the World: 20 Centuries of World Maps*, 1994
Wolf, *History of Cartography : a Bibliography*, 1992

MARINE

MacEachren, *Charting of the Oceans: Ten Centuries of Maritime Maps*, 1996
National Ocean Service Mapfinder, <http://mapfinder.nos.noaa.gov/>
Office of Coast Survey Historic Maps, <http://chartmaker.ncd.noaa.gov/ocs/text/MAP-COLL.HTM>

PROJECTIONS

Bugayevskiy, *Map Projections: A Reference Manual*, 1995
Map Projection Home Page, <http://everest.hunter.cuny.edu/mp/>
McDonnell, *Introduction to Map Projections*, 2nd ed., 1991
Pearson, *Map Projections: Theory and Applications*, 1990
Snyder, *Flattening the Earth: Two Thousand Years of Map Projections*, 1992

READING MAPS

Monmonier, *How To Lie With Maps*, G108.7 .M66 1991
Muehrcke & Muehrcke, *Map Use: Reading, Analysis, and Interpretation*, 4th ed, GA105.3 .M83 1998

STREET & ROAD MAPS

About.com Links, <http://geography.about.com/education/geography/msub23.htm>

THEMATIC

Dent, *Cartography: Thematic Map Design*, 5th ed., GA105.3.D45 1999
Slocum, *Thematic Cartography and Visualization*, 2000
Tyner, *Introduction to Thematic Cartography*, 1992

TOPOGRAPHIC

Bohme, *Inventory of World Topographic Mapping*, 3 vol.s, 1993
van Hulle, *Faithful Representations and Topographic Maps*, 2000

ENVIRONMENTAL AESTHETICS

Berleant, *The Aesthetics of Environment*, GF90.B47 1992
Nasar, *Environmental Aesthetics*, 1992
Porteous, *Environmental Aesthetics: Ideas, Politics and Planning*, 1996
Tuan, *Topophilia*, 1974

GEOGRAPHIC INFORMATION SYSTEMS

Association for Geographic Information Online GIS dictionary, <http://www.agi.org.uk/pag-es/dict-ion/dict-agi.htm>
Current Literature on GIS & Libraries, http://www.mcmaster.ca/library/maps/gis_libr.htm
Davis, *Geographic Information Systems: A Visual Approach*, 1996
DeMers, *Fundamentals of Geographic Information Systems*, 1996
GIS Bibliography (ESRI), <http://campus.esri.com/campus/home/home.cfm>
GISLinx, <http://www.gislinx.com/> (Info & links for GIS professionals)
Goodchild, *Environmental Modeling with GIS*, 1993
Hearnshaw et. al., *Visualization In Geographical Information Systems*, 1994
Korte, *The GIS Book*, 4th ed., 1997
Krzanowski, et. al., *Lexicon of Terms for Users of Geographic Information Systems*, 1995
MAGERT Electronic Maps and Geographic Information Systems, <http://www.sunysb.edu/libmap/brill.htm>
Obermeyer et. al., *Managing Geographic Information Systems*, 1994
Spatial News, <http://www.spatialnews.com/> (Daily electronic newsletter for the GIS industry)
Virtual Nebraska, <http://www.casde.unl.edu/vn.html> (Pioneering project to consolidate a wide variety of data)
Yahoo! GIS, http://dir.yahoo.com/Science/Geography/Geographic_Information_Systems__GIS/

GIS SOFTWARE VENDORS

ESRI, <http://www.esri.com/> (ArcCAD, ArcInfo, ArcPad (for field use), ArcView (desktop GIS), ArcView Business, Data Automation Kit, Mapobjects (for developers), Maplex (for cartography),
Integration Technologies. <http://www.integtech.com/default.htm> (AnySite, MapBasic, MapInfo, MapX, SpatialWare, Vertical Mapper)
Yahoo! http://dir.yahoo.com/Business_and_Economy/Companies/Scientific/Geography/Geographic_Information_Systems/Software/

GEOGRAPHIC & PLACE NAMES

Fuson, *Fundamental Place-Name Geography*, 9th ed., 1999
Geographical Names Standardization, <http://geonames.nrcan.gc.ca/english/unindex.html>
Getty Thesaurus of Geographic Names, http://www.gii.getty.edu/tgn_browser (Track name changes over time and language)
PlaceNames.com, <http://www.placenames.com/>

THE HISTORY OF GEOGRAPHY

Baker, *A History of Geographical Discovery and Exploration*, rev. ed., 1936
James & Martin, *All Possible Worlds: A History of Geographical Ideas*, 3rd ed., 1993
Jarvis, *Postmodern Cartographies*, 1998
Johnston & Claval, *Geography Since the Second World War*, 1984
Sack, *Homo Geographicus: Action, Awareness and Moral Concern*, 1997
Thomson, *History of Ancient Geography*, 1948

HUMAN GEOGRAPHY

Barnes, *Reading Human Geography: Poetics & Politics of Inquiry*, 1996
Demography Resources (U. of Adelaide), <http://www.library.adelaide.edu.au/guide/soc/geog/demog.html>
Earle et. al., *Concepts In Human Geography*, 1995
Human Geography links (U. of Leicester), <http://www.geog.le.ac.uk/cti/hum.html>
Johnson, *Dictionary of Human Geography*, 4th ed., 2000
Lindsay, *Techniques in Human Geography*, 1997

AGRICULTURAL GEOGRAPHY

Grigg, *An Introduction to Agricultural Geography*, 2nd ed., 1995

CULTURAL & SOCIAL GEOGRAPHY studies the distribution in space and time of cultures and the elements of culture, such as artifacts and tools, techniques, attitudes, customs, languages, and religious beliefs; cultural complexes in their spatial organization and the cultural landscape.

Atlas of Cyberspace, <http://www.cybergeography.org/atlas/atlas.html> (Links to thematic map visualizations of the internet)

Cole, *A Geography of the World's Major Religions*, 1996

Crang, *Cultural Geography*, 1998

Domosh, *The Human Mosaic: a Thematic Introduction to Cultural Geography*, 8th ed., GF41J67 1999

Holdsworth, *Cultural Geography; a Reader*, 1997

Hooson, *Geography and National Identity*, 1994

Jackson, *Maps of Meaning: an Introduction to Cultural Geography*, 1989

Journal of Cultural Geography (periodical published twice each year)

King, *Mapping Reality; Cultural Cartographies*, GA108.7.K56 1996

Mitchell, *Cultural Geography; a Critical Introduction*, GF41.M55 2000

Shurmer-Smith, *Doing Cultural Geography*, 1999

Smith, *Geography and Social Justice*, 1994

ECONOMIC GEOGRAPHY studies the characteristics of, differences among, and movements between areas in the production, exchange, and consumption of goods and services. Of special geographic interest are the localizations of economic activity as they have evolved historically within specific cultural and technological contexts, based on particular combinations of physical, biologic, and human resources, economic and political conditions, and interregional ties and movements.

Bryson, *The Economic Geography Reader*, 1999

Corbridge, *Money, Power and Space*, 1994

Debbage, *The Economic Geography of the Tourist Industry*, 1998

Hallsworth, *The New Geography of Consumer Spending*, 1993

Hanink, *Economic Geography: Principles & Applications*, 1996

Knox, *Geography of the World Economy: an Introduction to Economic Geography*, HC59.K578 1998

Sheppard, *A Companion to Economic Geography*, 2000

Socioeconomic Data and Applications Center, <http://sedac.ciesin.org/>

Williams, *Tourism Geography*, 1998

HISTORICAL GEOGRAPHY studies the geography of past periods or dates or with changes over time as the landscape evolves. The first aspect is a horizontal consideration of the areal patterns during specific periods in time; the other entails a vertical analysis of the process of change through time.

Baker, *Progress in Historical Geography*, 1972 (International overview)

Baker & Billinge, *Period and Place: Research Methods in Historical Geography*, 1982

Black, *Maps and History: Constructing Images of the Past*, 1997

Butzer, *Archaeology as Human Ecology*, 1982

Historical Geography Specialty Group, <http://www.maxwell.syr.edu/geo/histgeo/histgeo.htm>

Historical GIS Program Home Page, <http://www.qmw.ac.uk/~gbhgis/>

MEDICAL GEOGRAPHY studies the diffusion of infectious diseases through space and time, the ecology of malnutrition in relation to medical problems, and the spatial location and allocation of health-care facilities.

Akhtar, *Disease, Ecology and Health: Readings in Medical Geography*, 1990

Akhtar, *Environment and Health: Themes in Medical Geography*, 1991

Diamond, *Guns, Germs and Steel*, HM206.D48 1997

Eyles & Woods, *The Social Geography of Medicine and Health*, 1983

Just Another Medical Geography Page, http://www.geocities.com/Tokyo/Flats/7335/medical_geography.htm

Pyle, *Applied Medical Geography*, 1979

Stamp, *The Geography of Life and Death*, 1964

POLITICAL GEOGRAPHY studies larger political groupings into regional alliances on the one scale and their subordinate division into political-administrative units on another, including issues such as boundaries; the relation of core and peripheral areas; metropolitan powers and colonies; with the bases of political power; international trade and aid and territorial waters.

Agnew, *Political Geography: a Reader*, 1996

Colin, *The Political Geography of the New World Order*, 1993

Dalby, *Geopolitics Reader*, 1998

Internet Review of Political Geography, <http://adder.colorado.edu/~shinm/irpg.html> (Articles & links)

Prescott, *Boundaries and Frontiers*, 1978

Ramirez-Faria, *The Historical Dictionary of World Political Geography*, 1999

Taylor & House, *Political Geography*, 1984

POPULATION GEOGRAPHY studies the distribution of population in relation to its various characteristics, such as growth, number, density, age, sex, fertility, mortality, natural increase, and occupations; division into rural and urban, ethnic, linguistic, or religious groupings; and migrations.

Clarke, *Geography and Population*, 1984

Dwyer, *Ethnicity and Development: Geographical Perspective*, 1996

Hannum, *People, Land and Community*, 1997

Hornby, *Introduction to Population Geography*, 1993

Kaplan, *Questions of Travel: Discourses of Displacement*, 1996

Kosinski & Prothero, *People on the Move: Studies on Internal Migration*, 1975

Ness & Ciment, *Encyclopedia of Global Population and Demographics*, 1999

URBAN GEOGRAPHY studies the location, settlement, development of cities; and regularities, functional types, economic classification, expansion, land use, transportation and social problems.

Berry, *Comparative Urbanization*, rev. and enl. 2nd ed., 1981

Boniface, *The Geography of Travel and Tourism*, 2nd ed., 1995

Bourne et. al., *Urbanization and Settlement Systems*, 1984

Buisseret, *Envisioning the City: Six Studies in Urban Cartography*, G140.E58 1998

Cadwallader, *Urban Geography: an Analytical Approach*, GF125.C34 1996

Carter, *The Study of Urban Geography*, 4th ed., 1995

City Map Sites, http://www.lib.utexas.edu/Libs/PCL/Map_collection/map_sites/cities_sites.html (Long alpha list of resources)

Gottdiener, *Social Production of Urban Space*, HT334.U5G66 1994

Hall, *Urban Geography*, GF125.H35 1998

Hanson, *Geography of Urban Transportation*, 2nd ed., HE305.G46 1995
International Metropolis, http://international.metropolis.net/network_e.html (Research & links)
Knox, *Urban Social Geography: An Introduction*, 2nd ed., 1987
Knox, *Urbanization: an Introduction to Urban Geography*, GF125.K56 1994
Ley, *A Social Geography of the City*, 1983
Pacione, *Progress in Urban Geography*, 1983
Short, *The Urban Order: an Introduction to Urban Geography*, HT151.S477 1996
Third World Cities, <http://www-lib.usc.edu/Info/VKC/twcities.htm>
Urban & Economic Geography resources (National Science Foundation), <http://www.iupui.edu/~sduelber/urbangeo.htm>
Urban & Regional Information Systems Association, <http://www.urisa.org/>
Yeates & Garner, *The North American City*, 1989

NAVIGATION concerns directing a craft by determining its position, course, and distance traveled in order to find the way, avoid collision, conserve fuel, and meet schedules.

Dutton, *Dutton's Navigation & Piloting*, 14th ed. by Elbert S. Maloney (1985)
Gatty, *Finding Your Way on Land or Sea: Reading Nature's Maps*, 1983
Hobbs, *Marine Navigation: Piloting and Celestial and Electronic Navigation*, 1997
Hoyle, *Modern Transport Geography*, 1992
The Journal of Navigation (Periodical)
Latitude: Changed Knowledge of the World, <http://www.ruf.rice.edu/~feegi/>
Lin, *Modern Navigation, Guidance and Control Processing*, 1991
Navigation (Periodical)
Sobel, *Longitude: the True Story of a Lone Genius Who Solved the Greatest Scientific Problem of His Time*, QB225.S64 1995
Travel Model Improvement Program, Travel Demand Forecasting, <http://www.bts.gov/tmip/>
Williams, *From Sails to Satellites: The Origin and Development of Navigational Science*, 1992

PHYSICAL GEOGRAPHY

Gabler, *Essentials of Physical Geography*, 5th ed., 1997
Goudie, *Dictionary of Physical Geography*, 3rd ed., 2000
Internet Resources for Physical Geography (U. of Wisconsin), <http://www.uwsp.edu/acaddepi/geog/physgeo.htm>
National Geophysical Data Center, <http://www.ngdc.noaa.gov/>
Strahler, *Introducing Physical Geography*, 2nd ed., 1999

BIOGEOGRAPHY as Phytogeography or Zoogeography, biogeography studies the spatial distribution, past and present, of individual categories of plants or animals.

Biogeography.com, <http://www.biogeography.com/> (Extensive links)
Browne, *Secular Ark: Studies in the History of Biogeography*, 1983
Huggett, *Fundamentals of Biogeography*, 1998
Quammen, *Song of the Dodo: Island Biogeography in the Age of Extinctions*, 1997
Spellerberg & Sawyer, *Introduction to Applied Biogeography*, 1998

CLIMATOLOGY studies the state of the atmosphere, including average climatic values, seasonal and diurnal rhythms, extreme values, the frequency of values.

Barry & Chorley, *Atmosphere, Weather, and Climate*, 7th ed., 1998
Hartmann, *Global Physical Climatology*, 1994
Hildore, *Climatology: an Atmospheric Science*, 1993
Landsberg general ed., *World Survey of Climatology* (A multivolume series begun in 1969)
McGuffie, *Climate Modeling Primer*, 2nd, QC981.M482 1996

GEOMORPHOLOGY studies the forms of the land's surface and of the processes that mold them.

Ahnert, *Introduction to Geomorphology*, 1998
Birkeland, *Soils & Geomorphology*, 3rd ed., 1999
Cooke, *Desert Geomorphology*, 1993
Hicklin, *River Geomorphology*, 1995
Pethick, *Introduction to Coastal Geomorphology*, 1984
Summerfield, *Global Geomorphology*, 1991

RESOURCE MANAGEMENT & ENVIRONMENTAL STUDIES studies the utilization of natural resources for the benefit of humans, usually on a sustained-yield or long-range basis. Environmental studies tend to focus on the plant and animal worlds and on the threats to them posed by human activities.

Bruce, *Resource and Environmental Management*, 1997
CEDAR - Central European Environmental Data Request Facility, <http://pan.cedar.univie.ac.at/>
Environmental Information Sources, http://www.environment.gov.au/ps/owa/other_servers.list_servers?cty=&cat=28
Gareth, *Resources, Society and Environmental Management*, 1997
Goudie, *Human Impact Reader*, 1997
Hall, *Geography of Tourism and Recreation: Environment, Place and Space*, 1999

Halseth, *Cottage Country in Transition*, 1998

Harker, *Where We Live; Conducting a Community Environmental Inventory*, 1995

Nathanson, *Basic Environmental Technology: Water Supply, Waste Management and Pollution Control*, TD145.N38 1997

Oates, *Reader in Environmental and Resource Management*, 1999

REGIS: Environmental Planning GIS at Berkeley, <http://www.regis.berkeley.edu/>

SOIL GEOGRAPHY studies the areal distribution of soil types over the land, the principal factors in formation of different types of soil, the plant and animal world as the source of the organic matter in the soil, horizons in a vertical profile of the soil, and the moisture, drainage, and erosional conditions that underlie the chain, or catena, of soil differences

Glazovasaya, *Soils of the World: Soil Geography*, 1984

O'Hare, *Soils, Vegetation, Ecosystems*, 2000

REGIONAL GEOGRAPHY employs the full range of different specializations and subdisciplines of geography to analyze and describe a specific area.

Hobbs, *Essentials of World Regional Geography*, 3rd ed., 1999

Latz, *The Power of Place: World Regional Geography Study Guide*, 3rd ed., 1999

AFRICA

Adams, *Physical Geography of Africa*, 1999

Baker, *The Changing Geography of Africa and the Middle East*, 1992

Gordon, *Understanding Contemporary Africa*, 2nd ed., 1996

Grove, *Changing Geography of Africa*, 2nd ed., 1993

Norwich, *Maps of Africa: an Illustrated & Annotated Carto-bibliography*, 1983

THE AMERICAS

Barton, *A Political Geography of Latin America*, 1997

Conzen, *Scholar's Guide to Geographical Writing on the American & Canadian Past*, 1993

Gerhard, *Guide to the Historical Geography of New Spain*, 1993

Grant, *Surveying the Land: Skills & Exercises in U.S. Historical Geography*, 1999

James & James, *Latin America*, 5th ed., 1986

McKnight, *Regional Geography of the United States and Canada*, 1991

Meinig, *The Shaping of America: A Geographical Perspective on 500 Years of History, vol. 1, Atlantic America, 1492-1800*, 1986

Mitchell & Groves, *North America: The Historical Geography of a Changing Continent*, 1987

Mundy, *The Mapping of New Spain: Indigenous Cartography & the Relaciones Geograficas*, 1996

White et. al., *Regional Geography of Anglo-America*, 6th ed., 1985

Zelinsky, *Cultural Geography of the United States*, rev. ed., 1992

ASIA

Baker, *The Changing Geography of Asia*, 1992

Duskin, *India & South Asia (Global Studies)*(Ed Norton) 4th ed.

Ginsburg, *The Pattern of Asia*, 1958

EUROPE

Berentsen, *Contemporary Europe: Geographic Analysis*, 7th ed., 1997

Butlin & Dodgshon, *Historical Geography of Europe*, 1998

Facts on File, *Europe on File*, 1997

Francis, *A Geography of the European Union*, 2nd ed., 1997

O'Loughlin, *The New Political Geography of Eastern Europe*, 1993

LOS ANGELES & THE WEST

Dilsaver, *The Mountainous West: Explorations in Historical Geography*, 1995

Miller, *California: the Geography of Diversity*, 2nd ed., F861.M55 1999

Turner, *Beyond Geography: the Western Spirit Against the Wilderness*, 1992

THE MIDEAST

Amery, *Water in the Middle East: a Geography of Peace*, 2000

Fisher, *The Middle East: A Physical, Social, and Regional Geography*, 7th ed., 1978

Harkavy, *Strategic Geography and the Changing Mid East*, 1997

THE PACIFIC

McKnight, *Oceania: the Geography of Australia, New Zealand and the Pacific Islands*, 1994

Ryan, *The Cartographic Eye: How Explorers Saw Australia*, 1996

THE POLES

Chaturvedi, *The Polar Regions: a Political Geography*, 1996

Polar Region links, <http://boris.qub.ac.uk/ggg/resources/frame.htm>

REPRESENTATIONS OF GEOGRAPHY IN ART, LITERATURE, MOVIES, ETC.

LITERATURE: Aldan-Semenov, *Trailblazers/ Dlia tebia*, 1973; Barnes & Duncan, *Writing Worlds: Discourse, Text and Metaphor in the Representation of Landscape*, 1992; Buckley, *The Geography of Home: California's Poetry of Place*, 1999; Harbison, "The Mind's Miniatures: Maps," *Eccentric Spaces*, NX650.S89H37 1977; Hopkins et. al., *Language of the Land: the Library of Congress Book of Literary Maps*, 1999;

Langdon, *Transports: Travel, Pleasure and Imaginative Geography 1600-1830*, 1996; "Literature and Geography," *Early Modern Literary Studies*, Special issue 3, September 1998 (Theme issue); Mallory, *Geography and Literature: a Meeting of the Disciplines*, 1989; Manguel, *The Dictionary of Imaginary Places*, 1999; Miller, *Topographies*, 1994; Salter, *Landscape in Literature*, 1977; Stein, *Geography and Plays*, 1922; Stevenson, *Treasure Island*, 1883 (The "treasure map" theme)

MOVIES: Annaud, *Black & White In Color*, 1976; Band, *I Bury the Living*, 1958; Feist, *Prophet Without Honor*, 1939 (Bio-pic of marine cartographer Matthew Maury); Martin, *Where In the World Is Carmen Sandiego?* (TV series, 1991-5); Minghella, *The English Patient*, 1996

VISUAL ARTS: Alpers, "The Mapping Impulse in Dutch Art," *The Art of Describing*, ND646.A72 1983; Dubbin, "Views & Panoramas," *Lotus International*, no. 52, 1986; Warner, "Tenderness/Carre du pays de tendre; 17th c. cartographical allegories," *Connoisseur*, January 1986; Woodward, *Art and Cartography: Six Historical Essays*, 1987

SITE ANALYSIS

Dines, *Time-Saver Standards: Site Construction Details Manual*, 1999
EPA Environmental Test Methods & Guidelines, <http://www.epa.gov/epahome/Standards.html>
Lampert & Woodley, *Site Selection and Investigation*, 1991
Lefavre & Tzonis, "Kevin Lynch and the Cognitive Theory of the City," *Design Book Review*, no. 26, Fall 1992
Lynch, *Managing the Sense of a Region*, HT392.L95 1976
Lynch, *Site Planning*, NA2540.5.L9 1984
Marsh, *Environmental Analysis: for Land Use and Site Planning*, HC110.E5 M37
Rubenstein, *A Guide to Site Planning and Landscape Construction*, 1996
Talarico, "Evaluating Hidden Site Conditions," *Architectural Record*, May 1998

SURVEYING

Aldrich, *Introduction to Geographic Field Methods and Techniques*, 2nd ed., 1990
American Society of Civil Engineers, *Hydrographic Surveying*, 1998
Anderson, *Surveying: Theory and Practice*, 1998
Breed, *Surveying*, 2nd, TA545 .B83 1957
Cadastral Surveyor, <http://www.cadastral.com/>
Deumlich, *Surveying Instruments*, 1982
Geomatics links, http://dmoz.org/Science/Earth_Sciences/Geomatics/Land_Surveying/
Kavanagh, *Surveying: Principles and Applications*, 1995
Land Surveying and Geomatics: Software, <http://homepage.interaccess.com/~maynard/software.htm>
Land Surveyor Reference Page, <http://www.lsrp.com/>
LandSurveyor.com, <http://www.landsurveyors.com/netveyor/> (Specialized search engine)
National Society of Professional Surveyors, <http://www.survmap.org/memorg39/nsps21/nsps00.htm>
Survey Planet, <http://www.surveyplanet.com/> (Professional)
Virtual Museum of Surveying, <http://www.surveyhistory.org/>

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